

ABSTRACT

The structure of the present invention includes: a switching element inserted in series in a field coil of an A.C. generator for intermittently controlling a field current supplied to the field coil in accordance with an output voltage from the A.C. generator in order to control the output voltage from the A.C. generator to a predetermined value; and conduction rate control means for detecting a rotational speed of the A.C. generator to reduce a conduction rate of the switching element in accordance with an increase in rotational speed.